

Revisions					216389	E
LAL	Rev.	Description	Chk	Date	Approved	
	A	ENGRG RELEASE	JL	6-14 76	JL	
	B	REVISED	JL	6-14 76	R.Pleiman	
	C	REVISED RESET MODE REGISTER LOGIC	JL	7-19 76	R.Pleiman	
	D	M/L ITEM 11 8T10 WAS 74173. SH 9 A14,15,16,17 8T10 WAS 74173. SH 11 A46, 47 8T10 WAS 74173.	JL	10-22 76	R.Pleiman	
	E	M/L ITEM 41 ADDED R20, QTY WAS 1.	JL	4-10 77	R.Pleiman	

THIS DOCUMENT CONTAINS 18 SHEETS

Dist Code ALT

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		1. Tolerances .XX ±.03 Angular .XXX ±.010 ±½° 2. Break All Sharp Edges .010 Approx. 3. Mach. Surfaces ✓ 4. All Dim. in Inches	Appr. <i>Hitchke</i>	Title <i>ALTO II</i>	ASSEMBLY, PRINTED WIRING- DISK CONTROL	
1st Use ALTO II EWO 7YF 92	Finish	Code Ident. 18338	Size A	Dwg. No. 216389	Change Letter E	
Next Assy. First Use 216302		Scale —	Do Not Scale Drawing	Sheet 1		

NOTES: UNLESS OTHERWISE SPECIFIED

1. CUT ETCH AND ADD JUMPER AS FOLLOWS:

- A. CUT ETCH BETWEEN A11-13 AND FEED THRU (NEAR C22),
(COMPONENT SIDE), (FEED THRU CONNECTS TO PIN 70).
- B. CUT ETCH BETWEEN A11-10 AND A11-13, (CIRCUITRY SIDE).
- C. ADD JUMPER FROM A11-10 TO FEED THRU (NEAR C22),
(FEED THRU CONNECTS TO PIN 70).
- D. ADD JUMPER FROM PIN 73 TO A11-13.

2. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPECIFICATION, DWG NO. 216207.

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ASSEMBLY, P.W.
DISK CONTROL

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El Segundo, California

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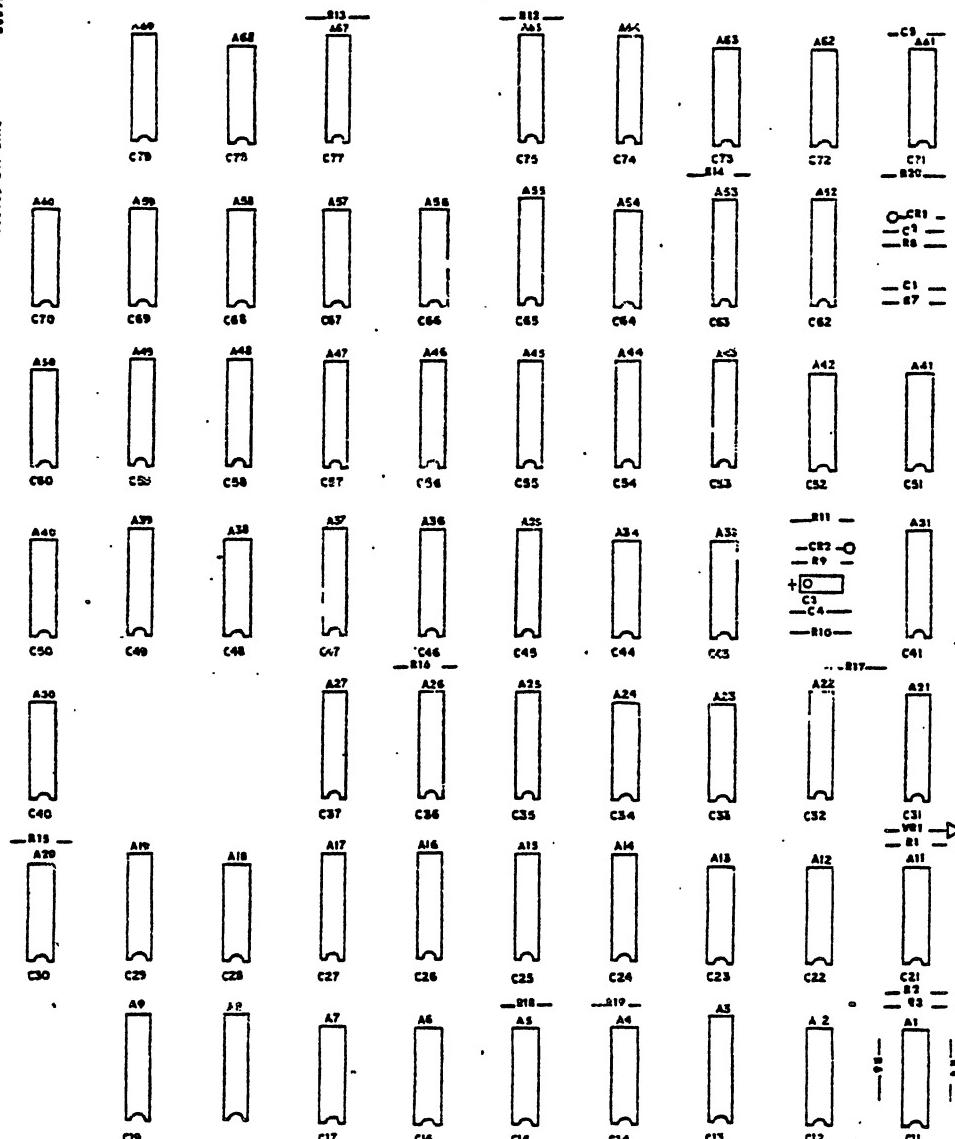
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Sheet 2 Of

ASSY NO. 21639

SECTION ON LINE 4



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Material List

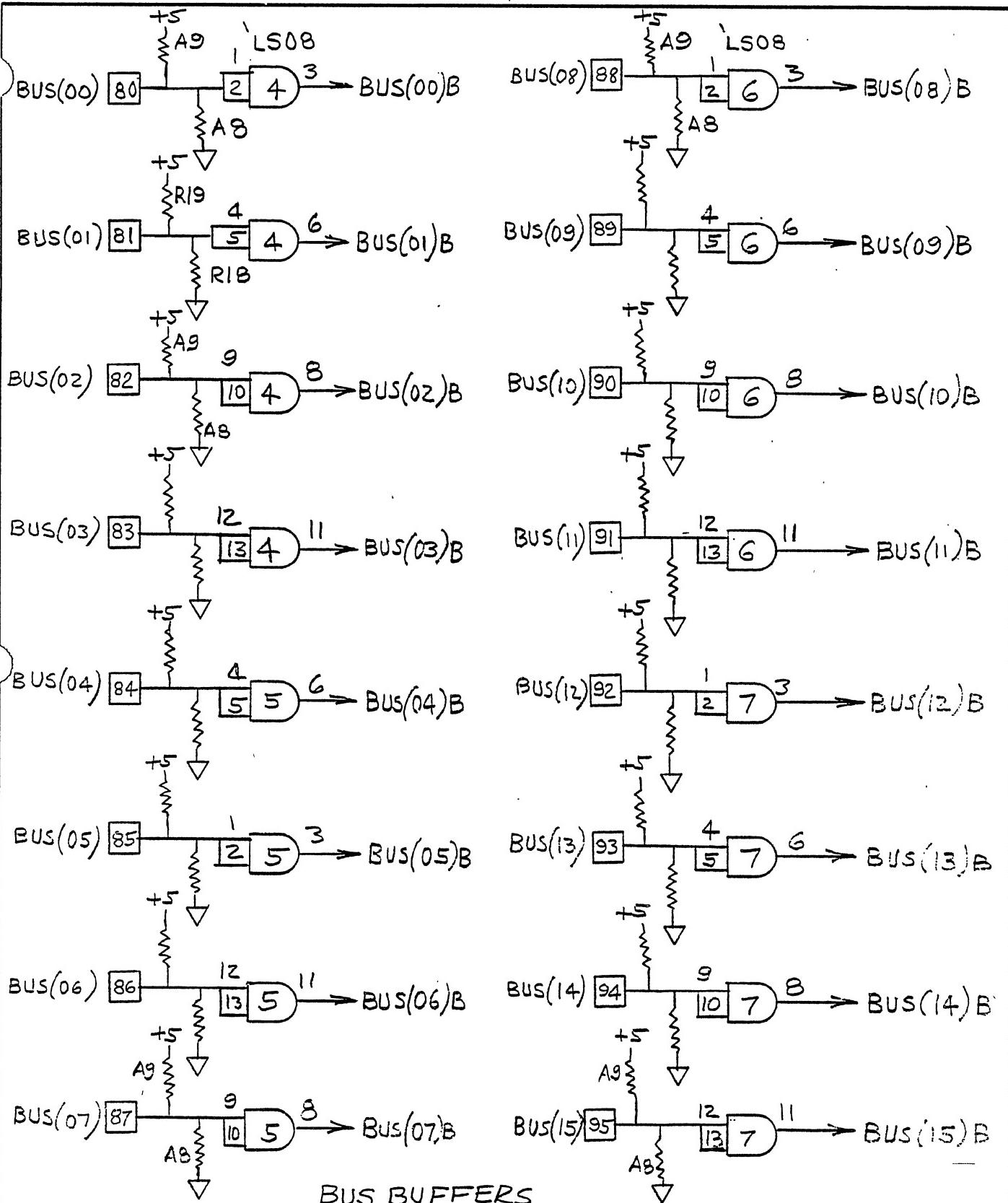
ML	Drawing No. 216389	Rev. E
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Drawing No. 216389	Rev. E	Drawing Title ALTO II ASSEMBLY, PRINTED WIRING- DISK CONTROL	These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.		
			Model No. ALTO II	Date 6/14/76	Sheet 4 Of
Item No.	Drawing Title	Drawing No.	No. Req.	Remarks	
1	BOARD, PRINTED WIRING	216391	1		
2	SPEC, TEST	216390	REF		
3	SPEC, MODULE ASSEMBLY	216207	REF		
4	MICROCIRCUIT, MPQ3303		1	A1	
5	74H04		3	A2, 56, 59	
6	3205		1	A3	
7	74LS08		4	A4, 5, 6, 7	
8	74H00		1	A11	
9	74S04		1	A12	
10	74164		2	A13, 18	
11	8T10		6	A14, 15, 16, 17, 46, 47	
12	74166		2	A19, 39	
13	7437		5	A20, 30, 40, 58, 68	
14	74109		8	A21, 22, 43, 44, 45, 53,	
				55, 67	
15	74S32		2	A23, 57	
16	7438		2	A24, 34	
17	74174		3	A25, 26, 27	
18	74123		2	A31, 52	
19	7400		2	A33, 63	
20	I3404		1	A35	
21	74195		2	A36, 37	
22	74H08		2	A38, 42	
23	74H11		1	A41	
24	8231		2	A48, 49	
25	74H01		2	A50, 60	
26	74S02		1	A54	
27	7414		1	A61	
28	74H106		1	A64	
29	74153		1	A65	
30	MICROCIRCUIT, 74161		1	A69	
31	OSCILLATOR, K1100A		1	A62	
32					

Material List

ML	Drawing No. 216389	Rev. E
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Drawing No. 216389	Rev. E	Drawing Title ALTO II ASSEMBLY, PRINTED WIRING- DISK CONTROL	These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.		
			Model No. ALTO II	Date 6/14/76	Sheet 5 of
Item No.	Drawing Title	Drawing No.	No. Req.	Remarks	
33	RESISTOR, NETWORK, DIP, 270Ω (AB#316A271)		1	A9	
34	RESISTOR, NETWORK, DIP, 560Ω(AB#316A561)		1	A8	
35	RESISTOR, NETWORK, 470Ω, (CTS #750-81-R470)		2	A90, 91	
36	RESISTOR, FILM, 39Ω ±5%, 1/4W	116447-390	2	R1, R2	
37	200 Ω ±5%, 1/4W	116447-201	5	R3, 4, 5, 6, 12	
38	24K ±5%, 1/4W	116447-243	2	R7, 8	
39	15K ±5%, 1/4W	116447-153	1	R9	
40	30K ±5%, 1/4W	116447-303	1	R10	
41	330 Ω ±5%, 1/4W	116447-331	2	R11, R20	
42	560Ω ±5%, 1/4W	116447-561	1	R18	
43	270Ω ±5%, 1/4W	116447-271	1	R19	
44	RESISTOR, FILM, 1K ±5%, 1/4W	116447-102	5	R13, 14, 15, 16, 17	
45					
46	DIODE, IN4148		2	CR1, CR2	
47	DIODE, ZENER, IN5227		1	VR1	
48					
49	CAPACITOR, 150PF NYTRONICS DC151		1	C1	
50	CAPACITOR, .01µF		2	C2, C4	
51	CAPACITOR, .47µF ±20%, 50V	114491-474	1	C3	
52	CAPACITOR, 270PF NYTRONICS DC 271		1	C5	
53	CAPACITOR, TANT., 22µF ±20%, 15V	114491-226	1	C6	
54	CAPACITOR, .05µF, 10V CENTRALAB#UK10-503		62	C11-17, 19, 21-37, 40, 41, 43-60, 62-75, 77-79	
55					
56	SOCKET, MICROCIRCUIT		31	AUGAT#514-AG10D	
57	SOCKET, MICROCIRCUIT		32	AUGAT#516-AG10D	
58	RIVET	156111-005	2		
59	EXTRACTOR	216250	2		
60	STIFFENER	216242	1		



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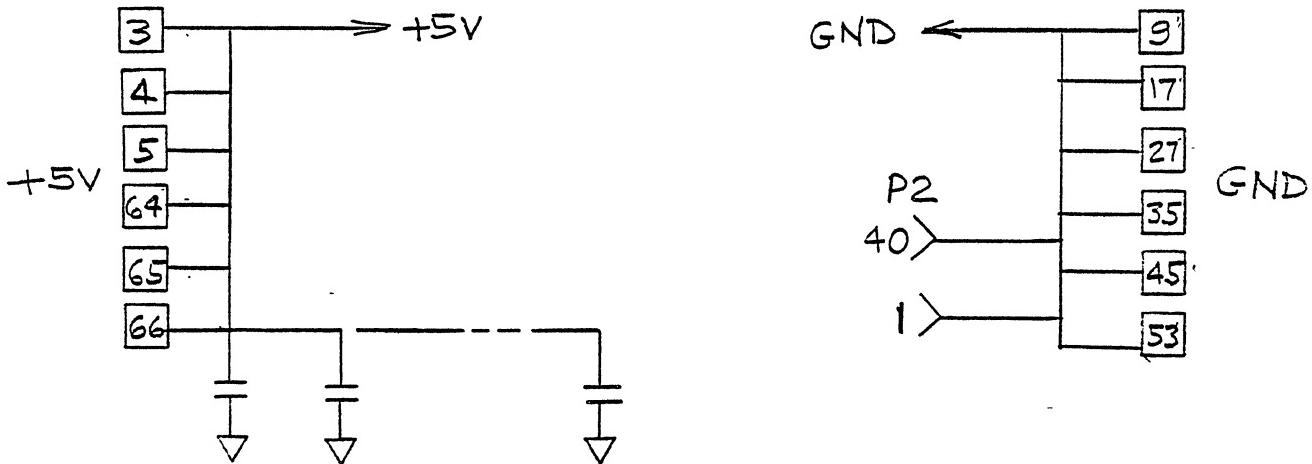
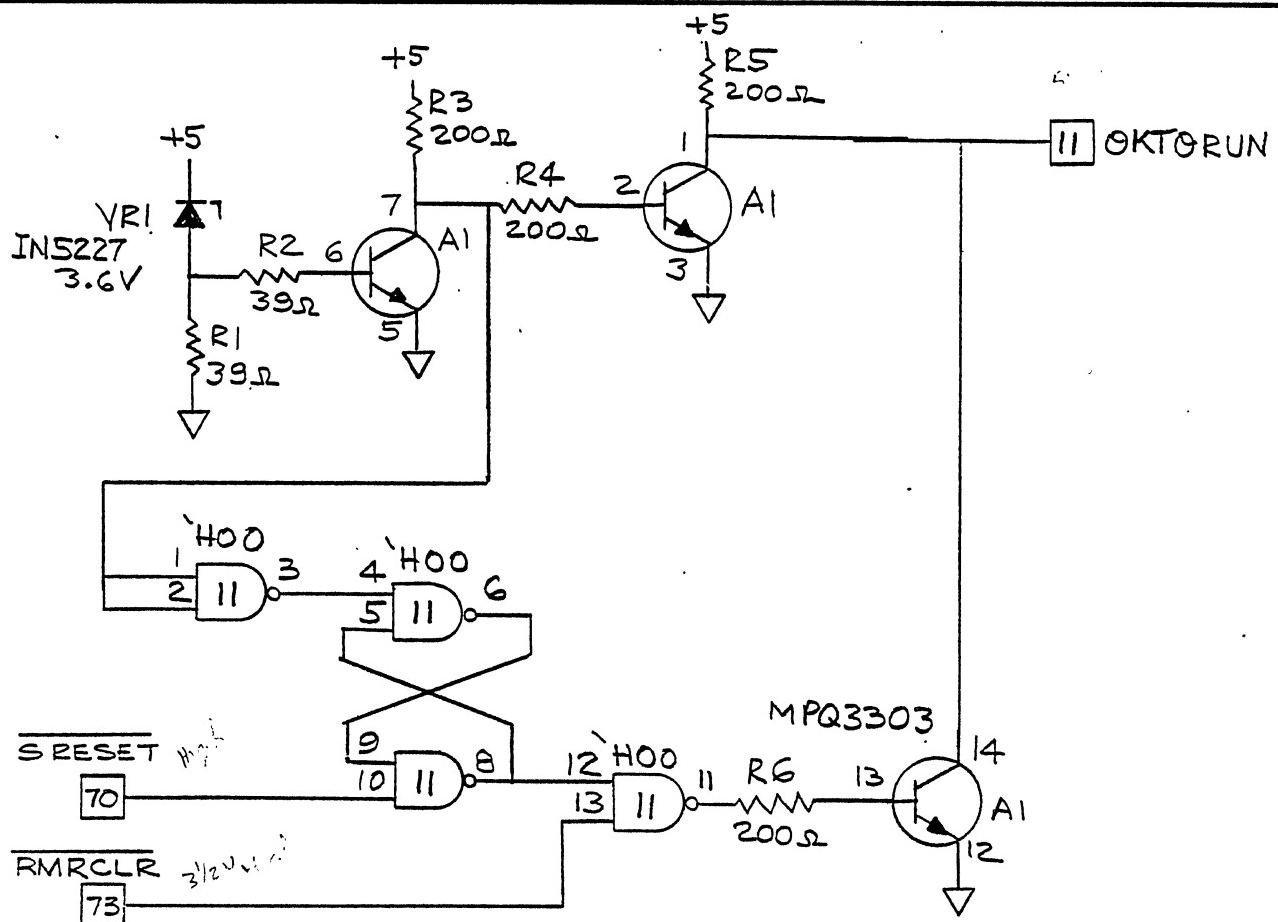
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POWER ON RESET

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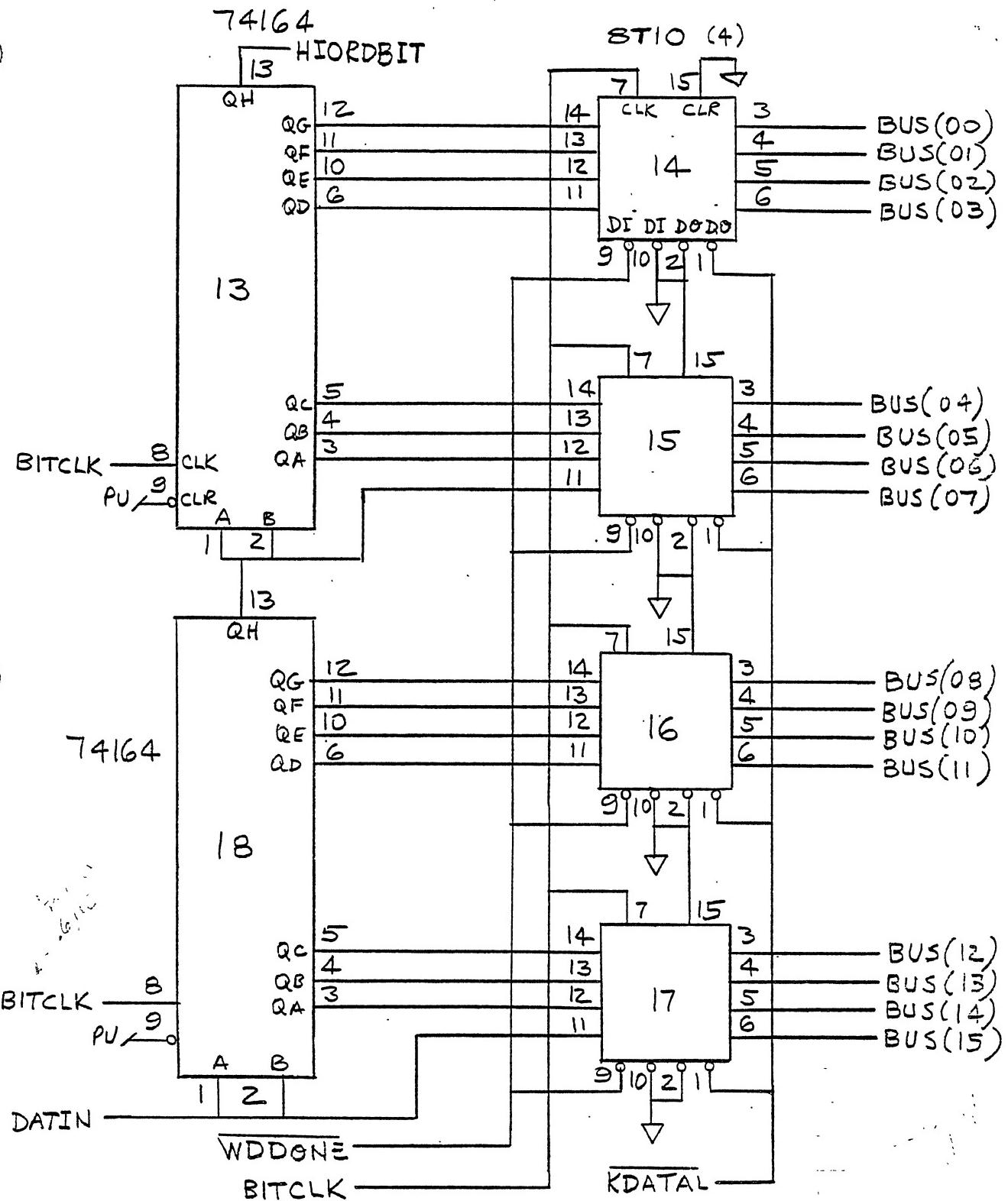
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Sheet 7 Jf



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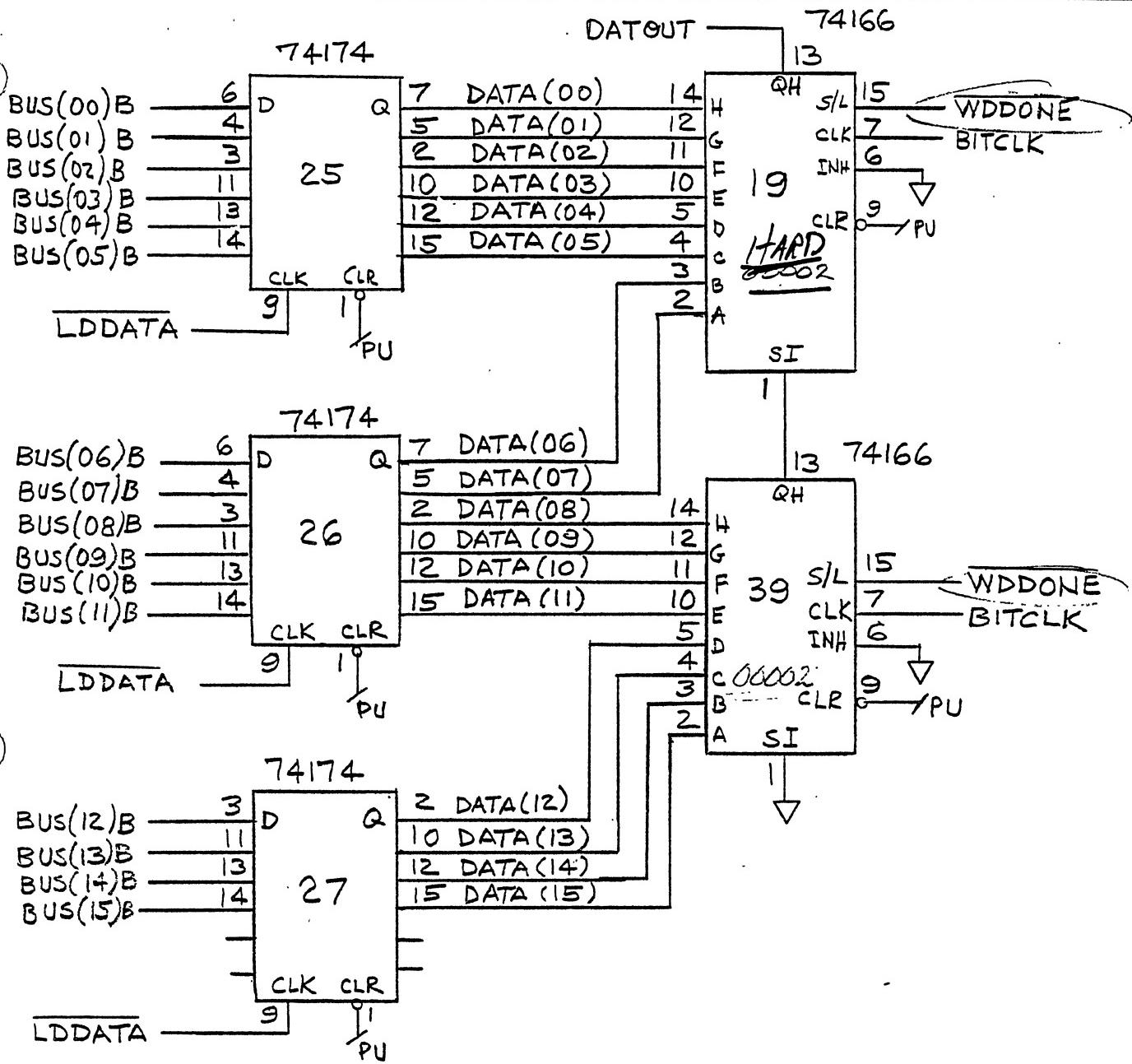
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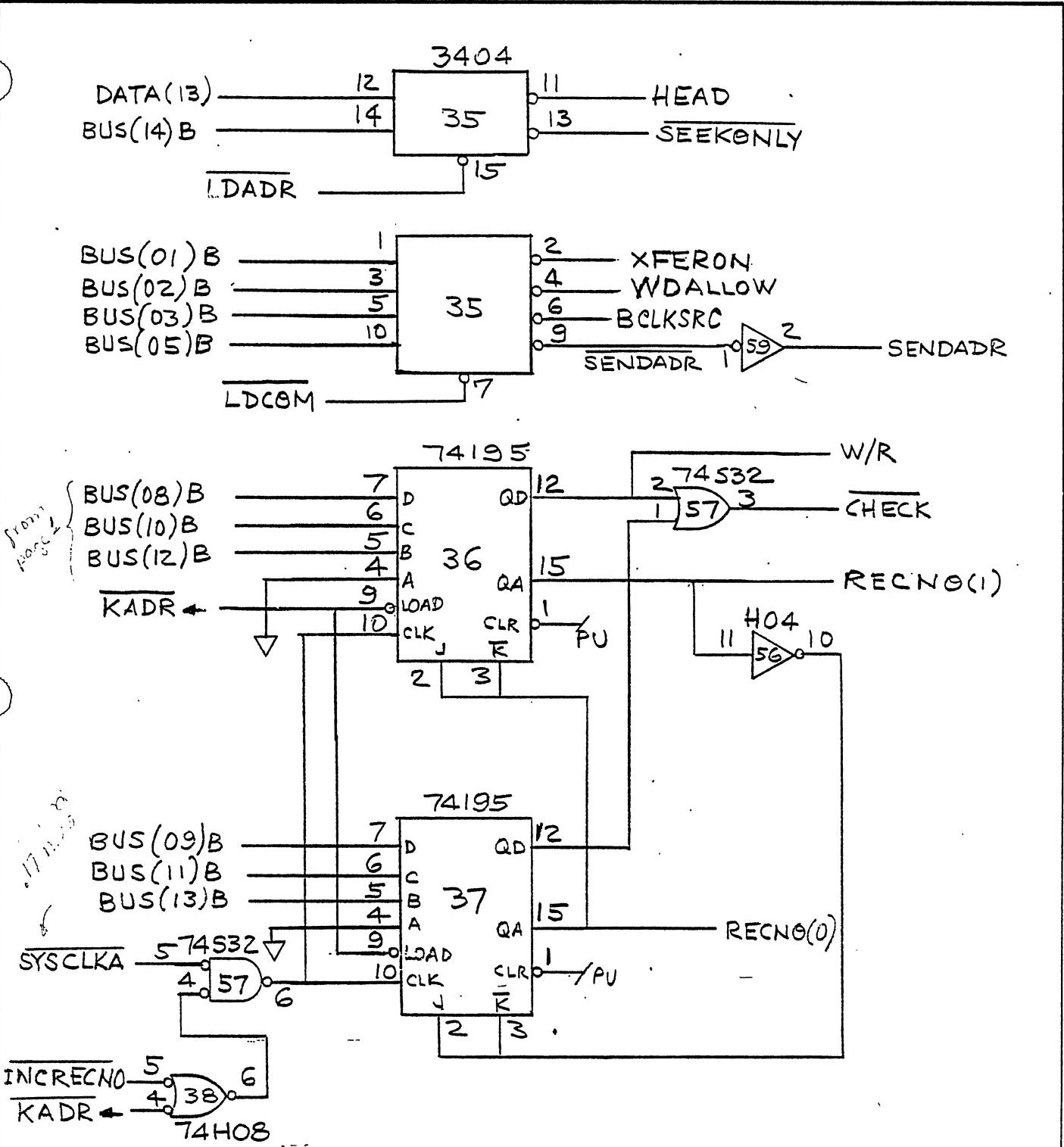
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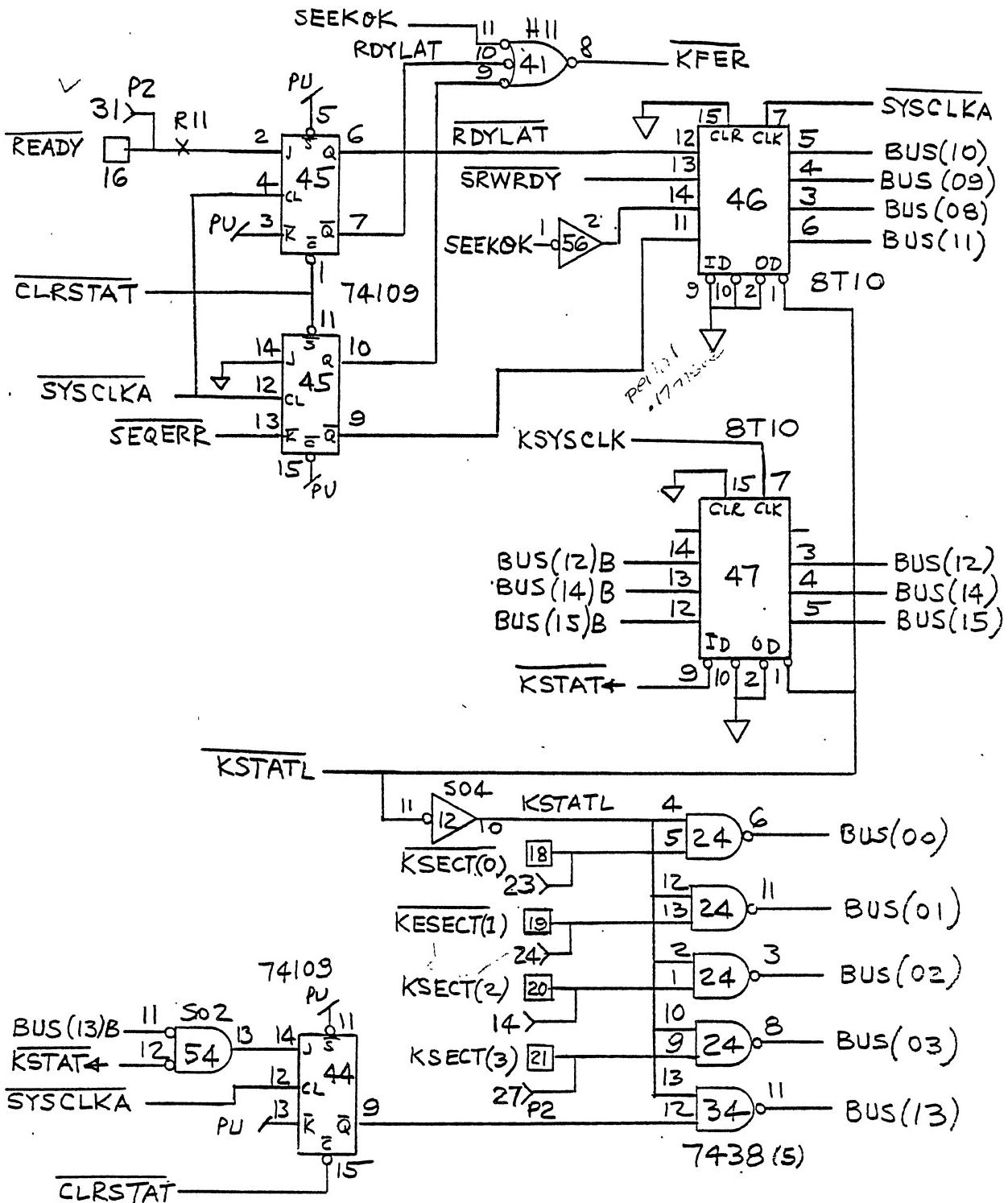
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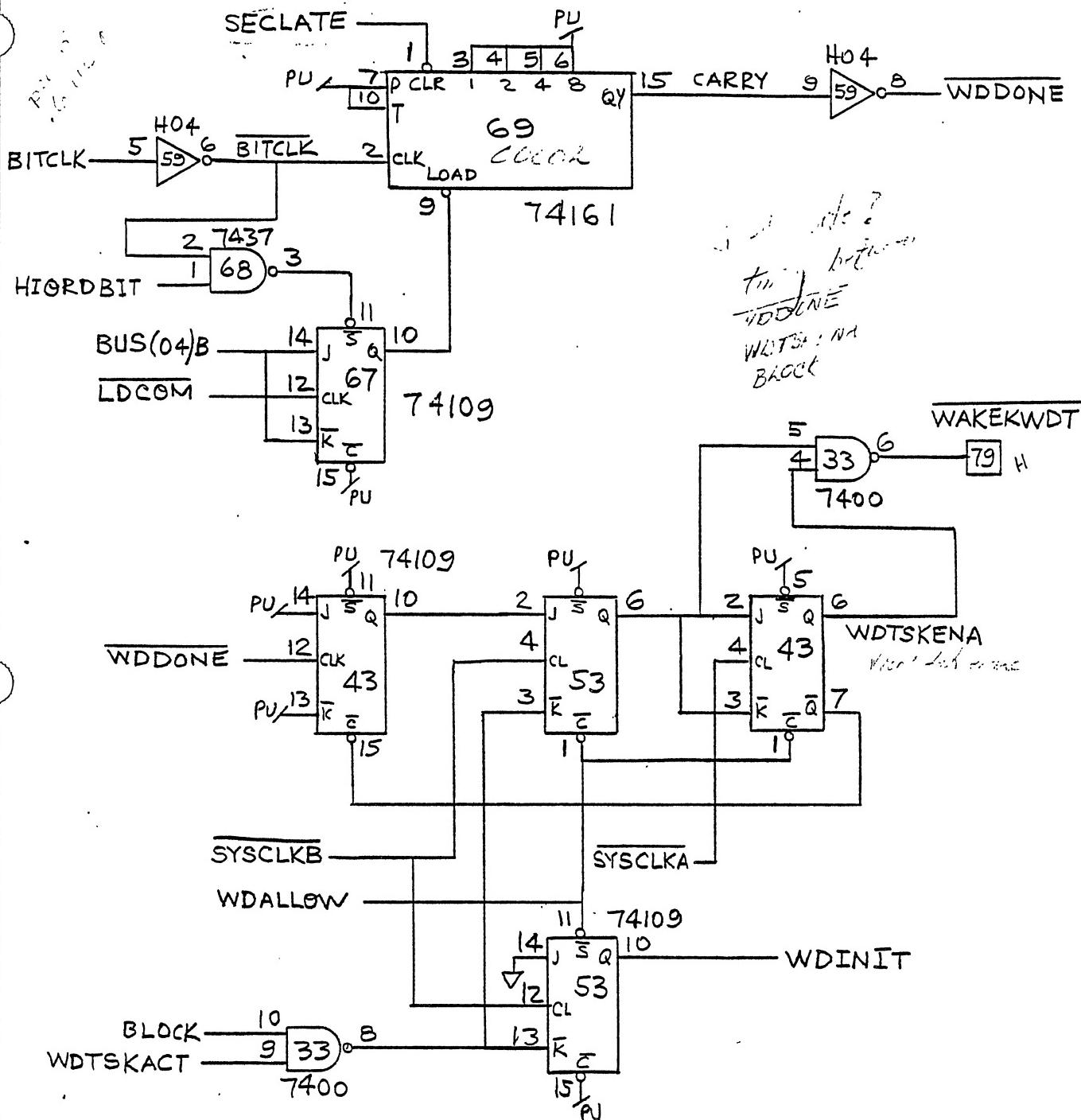
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WORD TIMING

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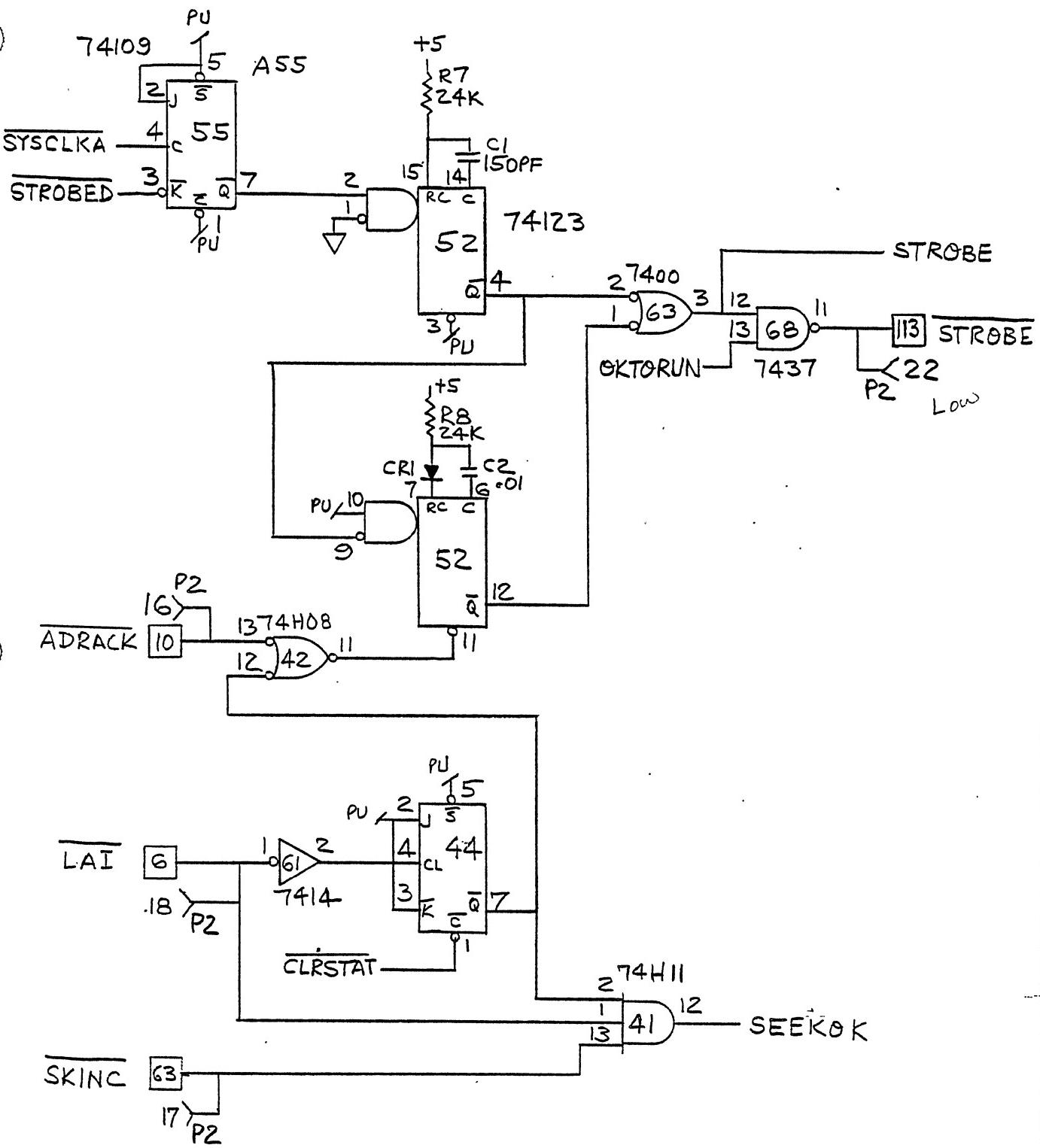
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STROBE, SEEK ERRORS

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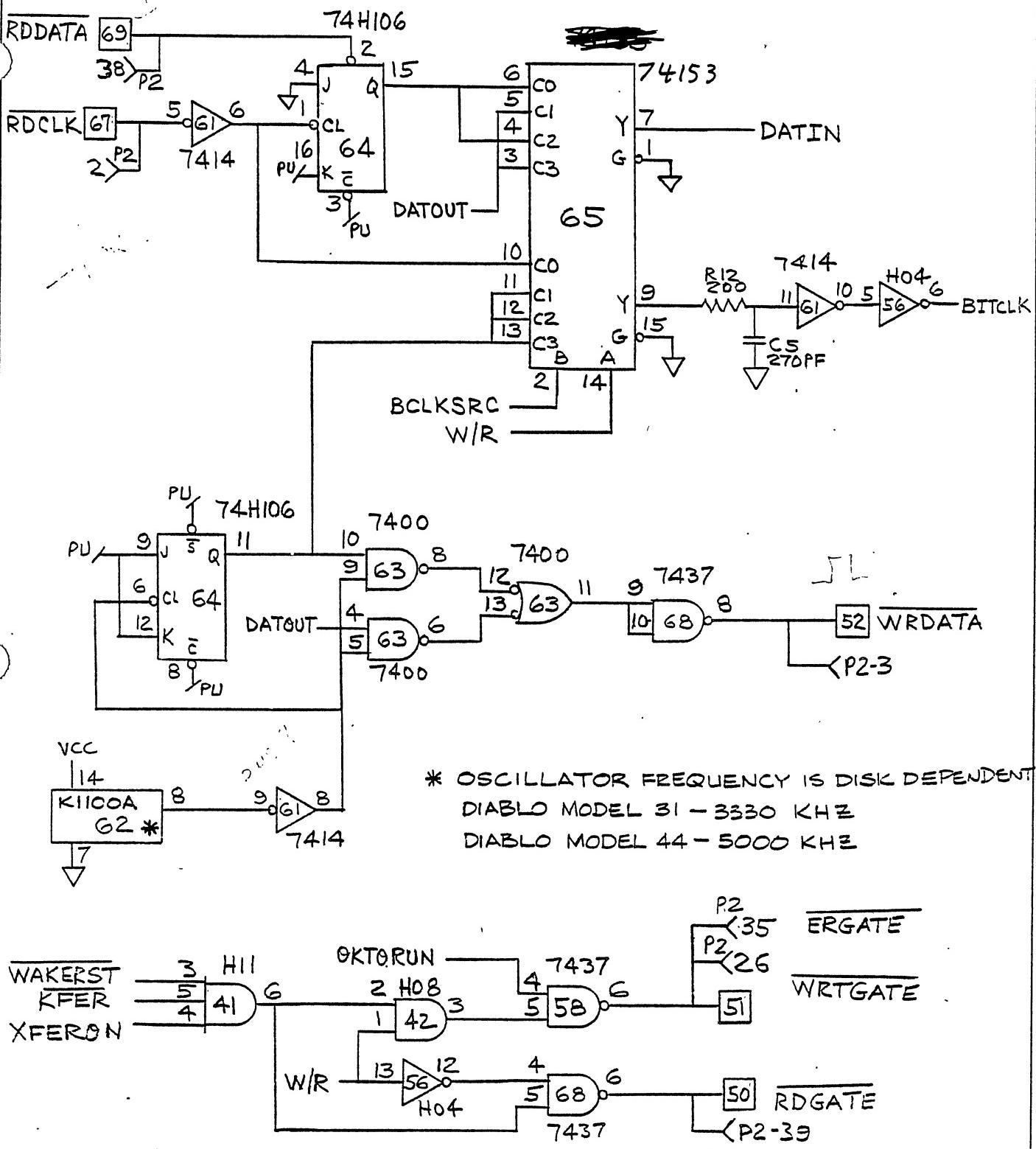
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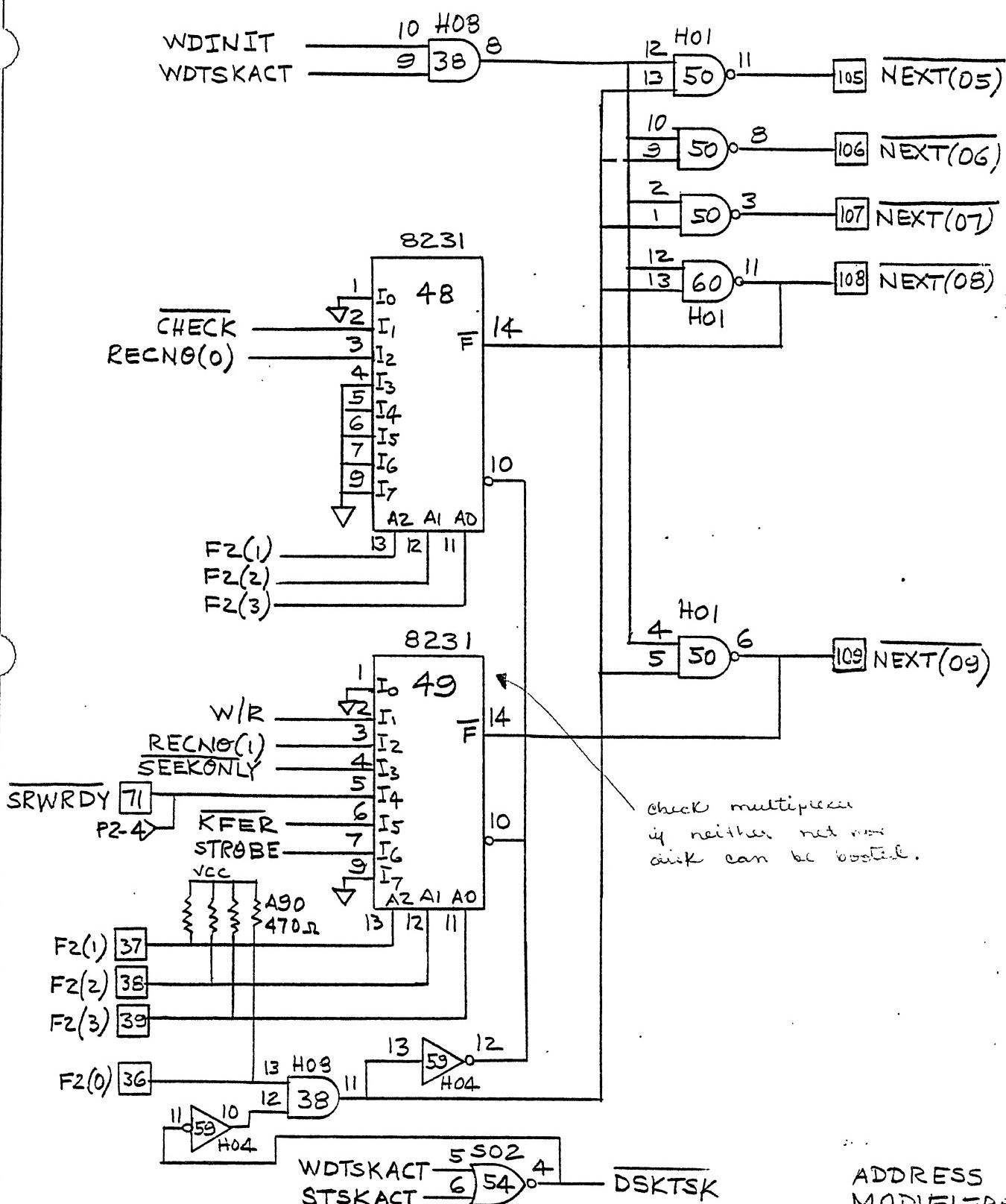
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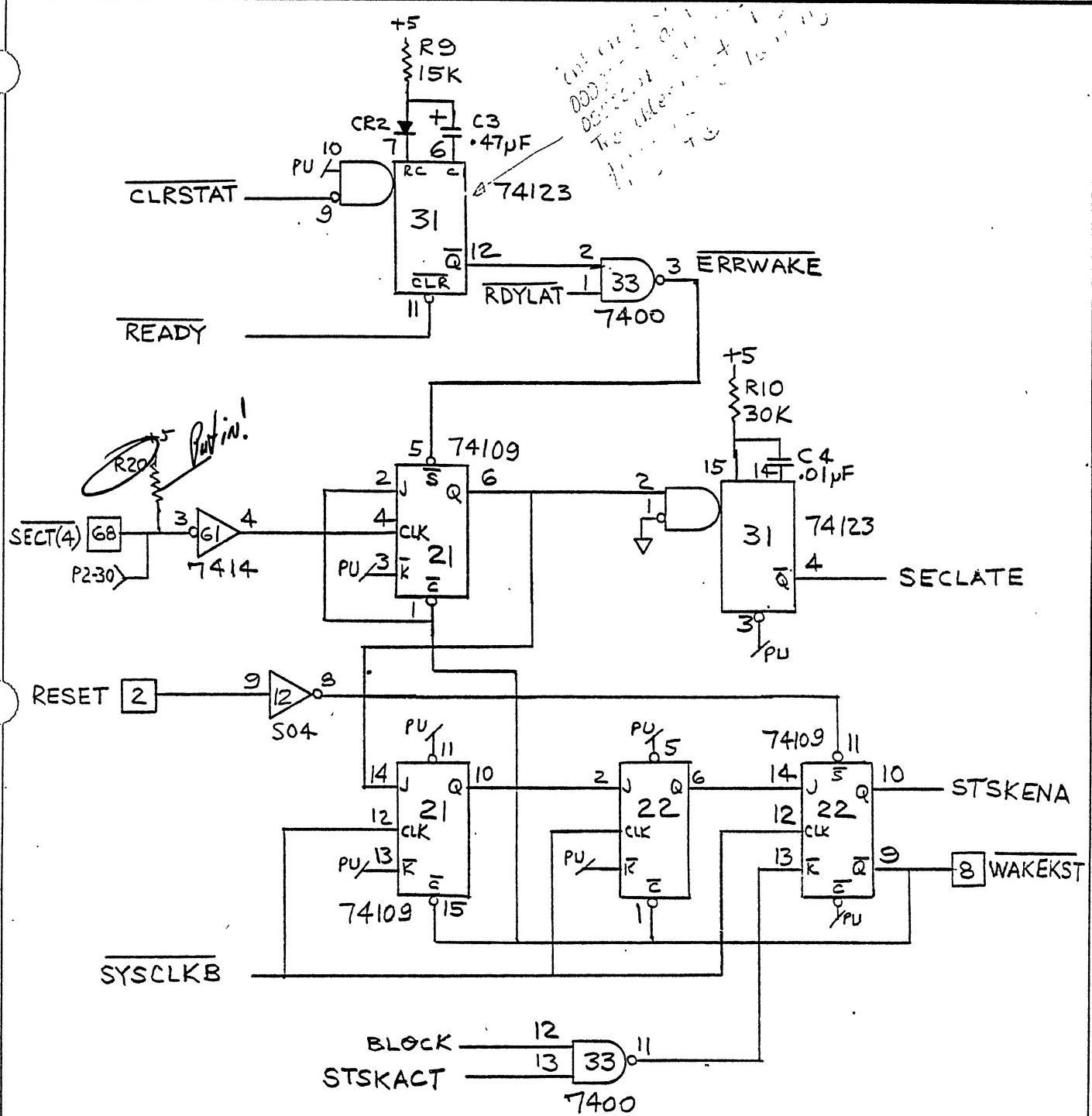
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SECTOR, ERROR WAKEUPS

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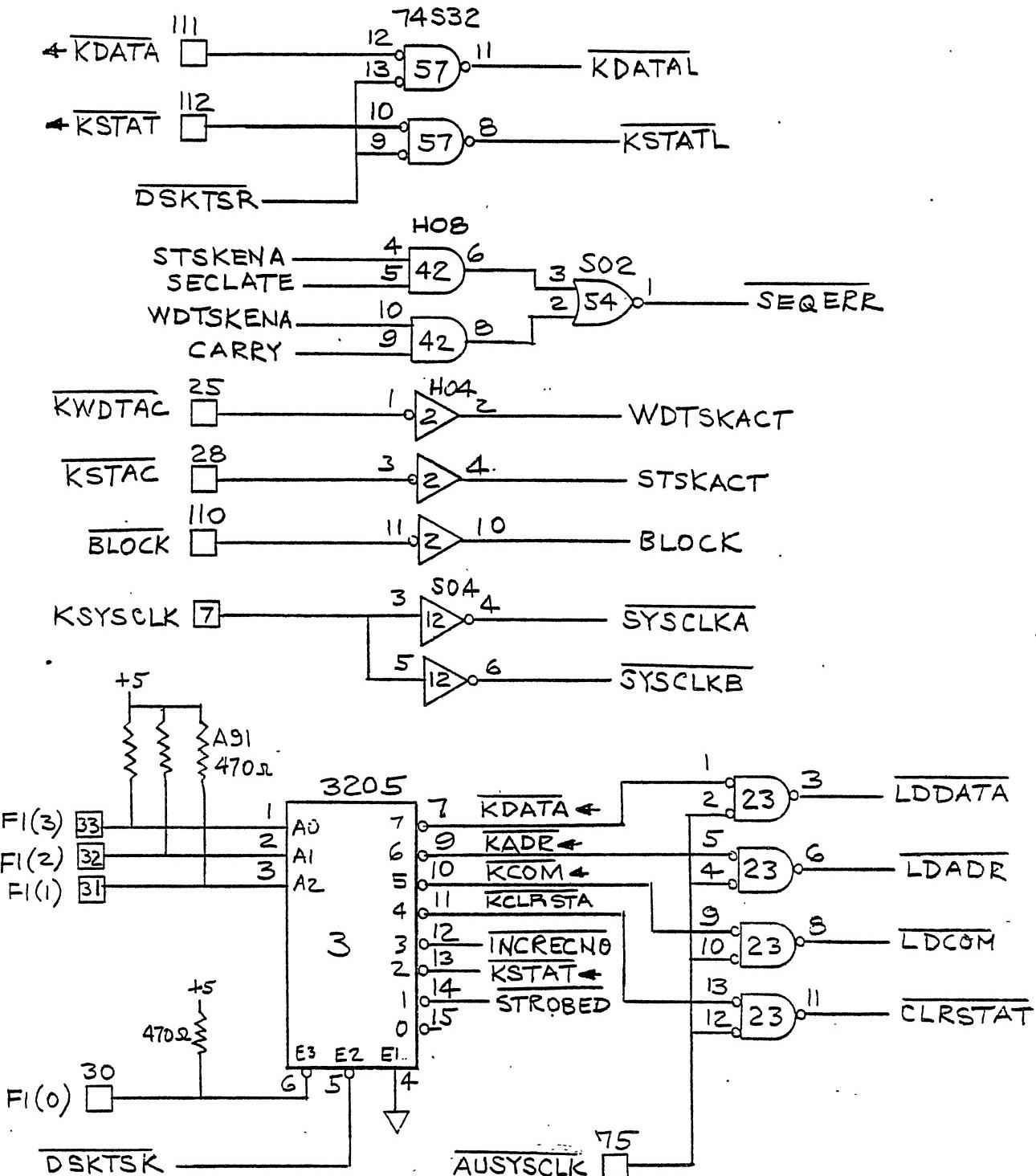
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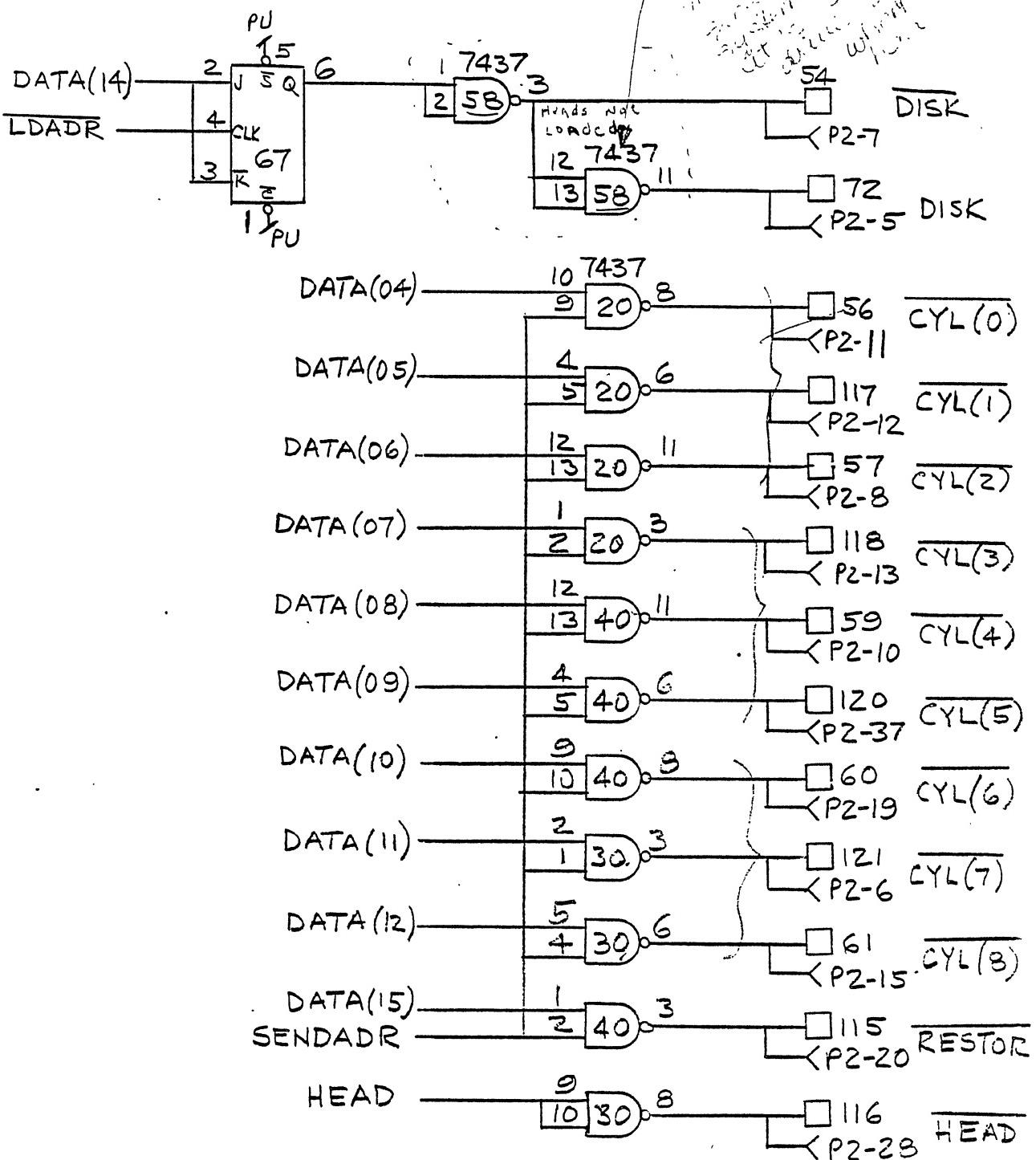
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F DECODE, CLOCKS

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